

west virginia department of environmental protection

Office of Oil and Gas 601 57th Street SE Charleston, WV 25304 (304) 926-0450 (304) 926-0452 fax Earl Ray Tomblin, Governor Randy C. Huffman, Cabinet Secretary www.dep.wv.gov

November 20, 2013

WELL WORK PERMIT

Horizontal 6A Well

This permit, API Well Number: 47-1706330, issued to EQT PRODUCTION COMPANY, is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

In addition to the applicable requirements of this permit, and the statutes and rules governing oil and gas activity in WV, this permit may contain specific conditions which must be followed. Permit conditions are attached to this cover letter.

Per 35CSR-4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926-0499 ext. 1654.

James Martin

Chief

Operator's Well No: WV 513141

Farm Name: HEASTER, CHARLES P., ET AL

API Well Number: 47-1706330

Permit Type: Horizontal 6A Well

Date Issued: 11/20/2013

Promoting a healthy environment.

API Number: 1706330

PERMIT CONDITIONS

West Virginia Code § 22-6A-8(d) allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

CONDITIONS

- This proposed activity may require permit coverage from the United States Army Corps of Engineers (USACOE). Through this permit, you are hereby being advised to consult with USACOE regarding this proposed activity.
- 2. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code § 22-6A-5a (12), which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than fifty (50) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
- 3. When compacting fills, each lift before compaction shall not be more than 12 inches in height, and the moisture content of the fill material shall be within limits as determined by the Standard Proctor Density test of the actual soils used in specific engineered fill, ASTM D698, Standard Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort, to achieve 95 % compaction of the optimum density. Each lift shall be tested for compaction, with a minimum of two tests per lift per acre of fill. All test results shall be maintained on site and available for review.
- 4. Operator shall install signage per § 22-6A-8g (6) (B) at all source water locations included in their approved water management plan within 24 hours of water management plan activation.
- 5. Oil and gas water supply wells will be registered with the Office of Oil and Gas and all such wells will be constructed and plugged in accordance with the standards of the Bureau for Public Health set forth in its Legislative rule entitled Water Well Regulations, 64 C.S.R. 19. Operator is to contact the Bureau of Public Health regarding permit requirements. In lieu of plugging, the operator may transfer the well to the surface owner upon agreement of the parties. All drinking water wells within fifteen hundred feet of the water supply well shall be flow tested by the operator upon request of the drinking well owner prior to operating the water supply well.
- 6. Pursuant to the requirements pertaining to the sampling of domestic water supply wells/springs the operator shall, no later than thirty (30) days after receipt of analytical data provide a written copy to the Chief and any of the users who may have requested such analyses.
- 7. If any explosion or other accident causing loss of life or serious personal injury occurs in or about a well or well work on a well, the well operator or its contractor shall give notice, stating the particulars of the explosion or accident, to the oil and gas inspector and the Chief, within 24 hours of said accident.
- 8. During the casing and cementing process, in the event cement does not return to the surface, the oil and gas inspector shall be notified within 24 hours.

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS W.VA. CODE §22-6A - WELL WORK PERMIT APPLICATION

A Wall Operator: FOT Production	on Company		į.	1 017		
) Well Operator: <u>EQT Production</u>	on company		Operator ID	County	District	Quadrangle
2) Operator's Well Number:		513141		_Well Pad Name	·	OXF156
s) Farm Name/Surface Owner :	Left l	Fork Arnolds	Creek	_Public Road Ad	cess:	CR 10
) Elevation, current ground:	1,244.0	_ Eleva	tion, proposed p	ost-construction:	1,20	2.0
i) Well Type: (a) Gas	Oil	Un	derground Stora	ge		
Other						
(b) If Gas:	Shallow	•	Deep			
1	Horizontal	<u> </u>				
i) Existing Pad? Yes or No:	No					
') Proposed Target Formation(s),	Depth(s), Anti	icipated Thic	knesses and As	sociated Pressur	e(s):	
Target formation is Marcellus	at a depth of 659	96' with the antic	cipated thickness to	be 54 feet and anticip	pated target pre	essure of 4447 PSI
3) Proposed Total Vertical Depth:				6,596		
)) Formation at Total Vertical Dep	-			Marcellus		
0) Proposed Total Measured Dep				15,636		
1) Proposed Horizontal Leg Leng				7,620		
2) Approximate Fresh Water Stra				10, 314, 380, 45	6, 594, 1078	3
3) Method to Determine Fresh W				By offset we	lls	
4) Approximate Saltwater Depths				1382, 1450		
15) Approximate Coal Seam Depti				1266, 1306		
16) Approximate Depth to Possible		ine, karst, ot	her):		None re	eported
17)Does proposed well location adjacent to an active mine?						
(a) If Yes, provide Mine Info:	Name [.]					
(a) it res, provide with this.	5					
	Seam:					
	Owner:					
	OWNER.					

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VIVIO mathemics Environmental Procession

CASING AND TUBING PROGRAM

18)	Cina	New	Grade	Weight per	FOOTAGE:	INTERVALS:	CEMENT:
r ype	<u>Size</u>	Idem	Grade				Fill- up (Cu.Ft.)
		<u>or</u>	i	<u>ft.</u>	for Drilling	Left in Well	Fill- up (Cu.Fi.)
		<u>Used</u>					
Conductor	20	New	Varies	Varies	40	40	38
Fresh Water	13 3/8	New	MC-50	54	1,178	1,178	1,017
Coal							
ntermediate	9 5/8	New	MC-50	40	2,960	2,960	1,150
Production	5 1/2	New	P-110	20	15,636	15,636	See Note 1
Fubing	2 3/8		J-55	4.6			May not be run, if run will be set 100" less than TD
_iners							

CYS DCN

CYS DCN

AND

MACH

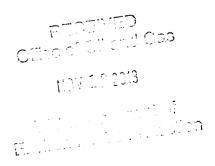
ГҮРЕ	Size	Wellbore Diameter	<u>Wall</u> Thickness	<u>Burst</u> <u>Pressure</u>	<u>Cement</u> <u>Type</u>	Cement Yield (cu. ft./k)
Conductor	20	24	0.635	-	Construction	1.18
-resh Water	13 3/8	17 1/2	0.380	2,480	1	1,21
Coal						
ntermediate	9 5/8	12 3/8	0.395	3,590	1	1.21
Production	5 1/2	8 1/2	0.361	12,640	-	1.27/1.86
Tubing						
iners						

<u>Packers</u>

		T	
Kind:	N/A		
Sizes:	N/A		
Depths Set:	N/A		

Note 1: EQT plans to bring the TOC on the production casing cement job 1,000' above kick off point, which is at east 500' above the shallowest production zone, to avoid communication.

Page 2 of 3



(3/13)

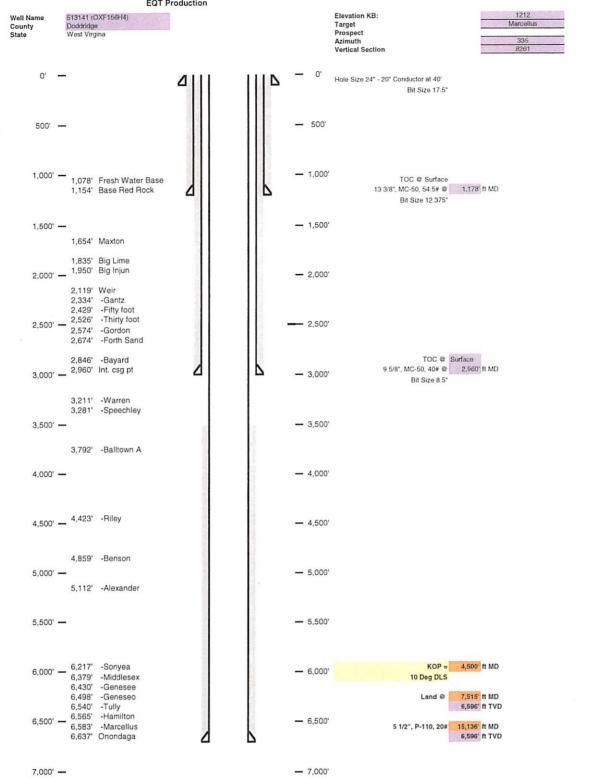
19) Describe proposed well work, including the drilling and plugging back of any pilot hole:			
Drill and complete a new horizontal well in the Marcellus Formation. The vertical drill to go down to	an approximate depth of 4,500'.		
Then kick off the horizontal leg into the Marcellus using a slick water frac.			
20) Describe fracturing/stimulating methods in detail, including anticipated max pres	ssure and max rate:		
Hydraulic fracturing is completed in accordance with state regulations using water recycled from previous freshwater sources. This water is mixed with sand and a small percentage (less than 0.3%) of chemicals			
gelling agent, gel breaker, friction reducer, blocide, and scale inhibitor), referred to in the industry as a "sl			
anticipated treating pressures are expected to average approximately 8500 psi, maximum anticipated treating	·		
approximately 100 bpm. Stage lengths vary from 150 to 300 feet. Average approximately 200,000 barr vary from 100 mesh to 20/40 mesh. Average approximately 200,000 pounds of sand per stage.	rels of water per stage. Sand sizes		
			
21) Total area to be disturbed, including roads, stockpile area, pits, etc, (acres):	37.43		
22) Area to be disturbed for well pad only, less access road (acres):	26.22		
23) Describe centralizer placement for each casing string.			
 Surface: Bow spring centralizers – One at the shoe and one spaced every 500'. Intermediate: Bow spring centralizers – One cent at the shoe and one spaced ever 	v 500'		
Production: One spaced every 1000' from KOP to Int csg shoe	y 5000.		
24) Departure all compart additives acceptated with each compart type.	time 1 Comments 0 200 Coloring Children		
24) Describe all cement additives associated with each cement type. Surface (T) Used to speed the setting of cement slurries.	ype 1 Cement): 0-3% Calcium Chloride		
0.4% flake. Loss Circulation Material (LCM) is used to combat the loss of the cement slurry to			
Intermediate (Type 1 Cement): 0-3% Calcium Chloride. Salt is used in shallow, low temperature slurries. 0.4% flake. Loss Circulation Material (LCM) is used to combat the loss of whole drilling.			
to a thief zone.	ng hala of cement starry (not intrate)		
Production:			
Lead (Type 1 Cement): 0.2-0.7% Lignosulfonate (Retarder). Lengthens thickening time.			
0.3% CFR (dispersant). Makes cement easier to mix.			
Tail (Type H Cement): 0.25-0.40% Lignosulfonate (Retarder). Lengthens thickening time.			
0.2-0.3% CFR (dispersant). This is to make the cement easier to mix.			
60 % Calcuim Carbonate. Acid solubility.			
0.4-0.6% Halad (fluid loss). Reduces amount of water lost to formation.			
25) Proposed borehole conditioning procedures. <u>Surface</u> : Circulate hole clean (Approxima	ately 30-45 minutes) rotating & reciprocating		
one full joint until cuttings diminish at surface. When cuttings returning to surface diminish, co	entinue to circulate an additional 5		
minutes. To ensure that there is no fill, short trip two stands with no circulation. If there is fill,	bring compressors back on		
and circulate hole clean. A constant rate of higher than expected cuttings volume likely indicate	ates washouts that will not clean up.		
<u>Intermediate</u> : Circulate hole clean (Approximately 30-45 minutes) rotating & reciprocating one full	joint until cuttings diminish at		
surface. When cuttings returning to surface diminish, continue to circulate an additional 5 min	nutes. If foam drilling, to enhance		
hole cleaning use a soap sweep or increase injection rate & foam concentration.			
<u>Production:</u> Pump marker sweep with nut plug to determine actual hole washout. Calculate a gaug	e holes bottoms up volume.		
Perform a cleanup cycle by pumping 3-5 bottoms up or until the shakers are clean. Check vol	ume of cuttings coming across		
the shakers every 15 minutes.			

*Note: Attach additional sheets as needed.

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WV Department of Environmental Protection



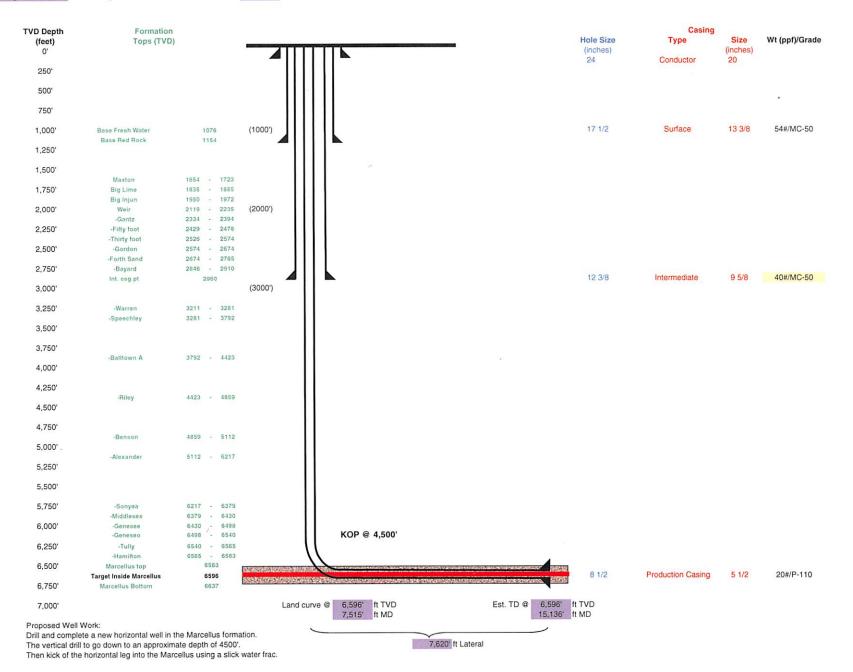
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OCT 2 8 2013

WV Department of Environmental Protection Well 513141 (OXF156H4) EQT Production

Oxford
Doddridge West Virgina

Azimuth 335 Vertical Section 8261



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WV Department of Environmental Protection WW-9 (5/13)

	Page _	_1	of	2
API No. 47	017	, 		0
Operator's \	Well No.			513141

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

Fluids/Cuttings Disposal & Reclamation Plan

Operator Name	EQT Produc	tion Co.	OP (Code	· · · · · · · · · · · · · · · · · · ·	
Watershed (HUC10)_	Left Fork Arnolds	Creek	Quadrangle	e(Oxford 7.5'	
Elevation	1,203 ⁴ Cou	inty <u>Dod</u>	dridge	District	West Union	
Do you anticipate using	g more than 5,000 bbls	of water to com	olete the propos	ed well work?	Yes x No	
Will a pit be used for d	rill cuttings: Yes:	No:X	_			
If so please de	scribe anticipated pit wast	e:				
Will a synthetic	liner be used in the pit?	Yes	NoX	If so, wi	hat ml.?60	- 10 M
Proposed Dis	posal Method For Treat					1 1 1 20 1
	Land Application Underground Injury	ection (UIC	Permit Number	r0014,	8462, 4037	
	Reuse (at API N)
<u>-</u>	Off Site Disposal Other (Explain		m WW-9 for dis	posal location	1))
Will closed loop system	n he used? YES	•				
• •	eipated for this well? Air,	freshwater, oil b	pased etc	Air and wa	ater hased mud	 -
	, what type? Synthetic, p			All dild We	ater based mud	
Additives to be used in			nity Control, Lime, Chloride	a Salte Rate Filtration	Control	******
	-		etergent, Defoaming, Walr			
Drill cuttings disposal	method? Leave in pit, la				andfill	
	nd plan to solidify what mediu				n/a	
	fsite name/permit number?	•		Attached List		<u> </u>
					1 1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2	
	and and agree to the terms ar					
	ffice of Oil and Gas of the We					
provisions of the permit are or or regulation can lead to enfo	enforceable by law. Violations	of any term or cond	lition of the general	permit and/or ot	her applicable law	
•	of law that I have personally	examined and am fa	miliar with the infor	mation submitte	d on this	
	hments thereto and that, base					
	t the information is true, accur					
submitting false information,	including the possibility of fine	or imprisonment.	1 1			
O		7/11/1				
Company Official Signa Company Official (Type			Victoria I Day	o ele		
Company Official Title	u Name)	Pern	Victoria J. Roz			
oumpany omolai mio		i citi	Titling Ouper visc	<u> </u>	 	
						
Subscribed and sworn to	pefore me this	day of	JULY		, 20 <u>_13_</u>	 -
1/2	1	•		.	- A D - A - C	
H A	7 11	_		No	otary Public	
My commission expires	6/27/2	>18				
	, ,			OFFIC Notary Public, S NICHOLAS L Rt.	IAL SEAL tate Of West Virginia BUMGARDNER 1 Box 4 WV 25124	
			1	My Commission E	xpires June 27, 2018	

Office of Oil & Gas

SEP 03 2013

WV Department of the Control of

WW-9

		_	Operator's Well No.	513141
Proposed Revegetation	n Treatment: Acres Disturb	ed37.43	Prevegetation pH	6.6
Lime	3 Tons/acre	or to correct to pH _	6.5	
Fertilizer (10-	-20-20 or equivalent)	1/3 lbs/a	cre (500 lbs minimum)	
Mulch	2	Tons/ac	re	
		Seed Mixtures		
,	Area I		Area II	
Seed Type KY-31	lbs/acre 40		i Type Ibs/a	acre
K1-01	40	Orchard (Grass 15	
Alsike Clover	5	Alsike Clo	over 5	
Annual Rye	15			
	f involved 7.5' topographic s			**************************************
Plan Approved by: _	Douglas //em	lon		
Comments: <u>Pre</u>	Douglas / Lew seal + Mich tions	install ,	Ets to we)
Title: Dil r D	s inapector	Date:	-16-2017	

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EQT Production Water plan Offsite disposals for Marcellus wells

CWS TRUCKING INC.

P.O. Box 391 Williamstown, WV 26187 740-516-3586 Noble County/Noble Township Permit # 3390

LAD LIQUID ASSETS DISPOSAL INC.

226 Rankin Road Washington, PA 15301 724-350-2760 724-222-6080 724-229-7034 fax Ohio County/Wheeling Permit # USEPA WV 0014

TRI COUNTY WASTE WATER MANAGEMENT, INC.

1487 Toms Run Road Holbrook, PA 15341 724-627-7178 Plant 724-499-5647 Office Greene County/Waynesburg Permit # TC-1009

Waste Management - Meadowfill Landfill

Rt. 2, Box 68 Dawson Drive Bridgeport, WV 26330 304-326-6027 Permit #SWF-1032-98 Approval #100785WV

Waste Management - Northwestern Landfill

512 E. Dry Road Parkersburg, WV 26104 304-428-0602 Permit #SWF-1025 WV-0109400 Approval #100833WV

BROAD STREET ENERGY LLC

37 West Broad Street Suite 1100 Columbus, Ohio 43215 740-516-5381 Washington County/Belpre Twp. Permit # 8462

TRIAD ENERGY

P.O. Box 430
Reno, OH 45773
740-516-6021 Well
740-374-2940 Reno Office Jennifer
Nobel County/Jackson Township
Permit # 4037

KING EXCAVATING CO.

Advanced Waste Services 101 River Park Drive New Castle, Pa. 16101 Facility Permit# PAR000029132





Site Specific Safety and Environmental Plan For

EQT OXF 156 Pad

Doddridge County, WV

EXPORTS AND AND FOR ANY STREET COLD ASSESSMENT AND CASE OF THE SHARP CONTROL OF THE COLD AND CASE ACCORDED TO MICHIGAN	For Wells: 513141	
Dermitting Syponisor	Date Prepared:	July 31, 2013 Douglas / eurlan WV Oil and Gas Inspector Dilo Das inspector Title
7-31-13 Date		

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Water Management Plan: Primary Water Sources



WMP-01494

API/ID Number:

047-017-06330

Operator:

EQT Production Company

513141 (OXF156H4)

Important:

For each proposed primary water source (including source intakes for purchased water sources) identified in your water management plan, and summarized herein, DEP has made an evaluation concerning water availability over the specified date range. DEP's assessment is based on the following considerations:

- •Statistical analysis of historical USGS stream gauge data (transferred to un-gauged locations as necessary);
- •Identification of sensitive aquatic life (endangered species, mussels, etc.);
- Quantification of known existing demands on the water supply (Large Quantity Users);
- •Minimum flows required by the Army Corps of Engineers; and
- · Designated stream uses.

Based on these factors, DEP has provided, for each intake location (and origination point for purchased water), a reference gauge location and discharge flow reading which must be surpassed prior to withdrawals. Additionally, DEP has established a minimum passby flow at the withdrawal location which must also be surpassed prior to withdrawals. These thresholds are considered terms of the permit and are enforceable as such.

DEP is aware that some intake points will be used for mutiple wells and well sites. In these cases, the thresholds set by the Water Management Plan are to be interepreted as total withdrawal limits for each location over the specified date range regardless of how many wells are supported by that intake.

For all purchased water intakes, determinations of water availability are made at the original source intake location. It is the responsibility of the Oil and Gas Operator, not the seller, to cease withdrawal of water from the seller when flows are less than the minimum gauge reading at the stream gauge referenced by the Water Management Plan in order to protect stream uses.

Note that the determinations made herein are based on the best available data, but it is impossible to predict water availability in the future. While the DEP has carefully established these minimum withdrawal thresholds, it remains the operator's responsibility to protect aquatic life at all times. Approval to withdrawal is contingent upon permission from the land owner. It is the responsibility of the operator to secure and maintain permission prior to any withdrawals.

The operator is reminded that 24-48 hours prior to withdrawing (or purchasing) water, DEP must be notified by email at DEP.water.use@wv.gov.

APPROVED NOV 0 1 2013

Source Summary



API Number: 047-017-06330 Operator: **EQT Production Company** WMP-01494 513141 (OXF156H4) Stream/River **Pleasants** Stephen R. and Janet Sue Ohio River @ Westbrook Trucking Site Owner: Source Westbrook Intake Latitude: Intake Longitude: Total Volume (gal) Max. daily purchase (gal) Start Date End Date 9/15/2013 9/15/2014 8,300,000 39.384455 -81.25645 Regulated Stream? Ohio River Station: Willow Island Lock & Dam Ohio River Min. Flow Ref. Gauge ID: 9999999 Min. Gauge Reading (cfs): Min. Passby (cfs) Max. Pump rate (gpm): 1,260 6,468.00 Refer to the specified station on the National Weather Service's Ohio River forecast **DEP Comments:** website: http://www.erh.noaa.gov/ohrfc//flows.shtml Ohio River @ Select Energy Pleasants Owner: Select Energy Source Max. daily purchase (gal) Start Date End Date Total Volume (gal) Intake Latitude: Intake Longitude: 9/15/2013 9/15/2014 8,300,000 39.346473 -81.338727 ✓ Regulated Stream? Ohio River Min. Flow Ref. Gauge ID: 9999998 Ohio River Station: Racine Dam Min. Gauge Reading (cfs): Min. Passby (cfs) Max. Pump rate (gpm): 1,500 7,216.00 **DEP Comments:** Refer to the specified station on the National Weather Service's Ohio River forecast website: http://www.erh.noaa.gov/ohrfc//flows.shtml Source Middle Island Creek @ Travis Truck Pad Doddridge Owner: Michael J. Travis Max. daily purchase (gal) Intake Latitude: Intake Longitude: Start Date End Date Total Volume (gal) 9/15/2013 9/15/2014 8,300,000 39.308545 -80.781102 Regulated Stream? Ref. Gauge ID: 3114500 MIDDLE ISLAND CREEK AT LITTLE, WV Min. Passby (cfs) Max. Pump rate (gpm): 4,200 Min. Gauge Reading (cfs): 72.16 28.33 **DEP Comments:**

				17-0	6550
Source	Middle Island (Creek @ Rock Run	Doddridge	Owner:	William Whitehill
Start Date 9/15/2013	End Date 9/15/2014	Total Volume (gal) 8,300,000	Max. daily purchase (gal)	Intake Latitude: 39.298763	Intake Longitude: -80.760682
Regulated	l Stream?	Ref. Gauge	ID: 3114500	MIDDLE ISLAND CREEK AT	LITTLE, WV
Max. Pump	rate (gpm):	1,680 Min. Gauge Read	ding (cfs): 62.89	Min. Passby (cf	rs) 26.43
	DEP Commer	nts:			
Source	Middle Island (Creek @ Barnes Withdrawal Site	Doddridge	Owner:	Ellen L. Barnes
Start Date 9/15/2013	End Date 9/15/2014	Total Volume (gal) 8,300,000	Max. daily purchase (gal)	Intake Latitude: 39.29958	Intake Longitude: -80.75694
Regulated	I Stream?	Ref. Gauge	ID: 3114500	MIDDLE ISLAND CREEK AT	LITTLE, WV
Max. Pump	rate (gpm):	1,260 Min. Gauge Read	ding (cfs): 59.06	Min. Passby (cf	fs) 26.39
	DEP Commer	nts:			
Source	Meathouse For	rk @ Spiker Withdrawal Site	Doddridge	Owner:	John & Sue Spiker
Start Date 9/15/2013	End Date 9/15/2014	Total Volume (gal) 8,300,000	Max. daily purchase (gal)	Intake Latitude: 39.2591	Intake Longitude: -80.72489
Regulated	l Stream?	Ref. Gauge	ID: 3114500	MIDDLE ISLAND CREEK AT	LITTLE, WV

Min. Gauge Reading (cfs):

1,260

74.77

Min. Passby (cfs)

Max. Pump rate (gpm):

DEP Comments:

9.26

South Fork of Hughes River @ Upper Wizard Run Doddridge I.L. Morris Source Max. daily purchase (gal) Intake Latitude: Intake Longitude: Total Volume (gal) Start Date **End Date** 8,300,000 39.189998 -80.79511 9/15/2013 9/15/2014 ☐ Regulated Stream? **JOUTH FORK HUGHES RIVER BELOW MACFARLAN, W**\ Ref. Gauge ID: 3155220 33.12 Min. Passby (cfs) 0.64 Max. Pump rate (gpm): 1,260 Min. Gauge Reading (cfs): **DEP Comments:** Doddridge Owner: I.L. Morris South Fork of Hughes River @ Harmony Road Source **End Date** Total Volume (gal) Max. daily purchase (gal) Intake Latitude: Intake Longitude: Start Date 8,300,000 39.1962 -80.81442 9/15/2013 9/15/2014 ☐ Regulated Stream? Ref. Gauge ID: 3155220 **JOUTH FORK HUGHES RIVER BELOW MACFARLAN, W** 0.98 Min. Gauge Reading (cfs): 33.12 Min. Passby (cfs) Max. Pump rate (gpm): 1,260 **DEP Comments:** Ritchie Owner: Douglas L. Maxson Straight Fork @ Maxson Withdrawal Site Source Intake Latitude: Intake Longitude: Max. daily purchase (gal) Start Date **End Date** Total Volume (gal) 39.144317 -80.848587 9/15/2014 8,300,000 9/15/2013 ☐ Regulated Stream? **JOUTH FORK HUGHES RIVER BELOW MACFARLAN, W**\ Ref. Gauge ID: 3155220

Min. Gauge Reading (cfs):

36.74

Min. Passby (cfs)

Max. Pump rate (gpm):

1,680

DEP Comments:

2.45

Mary Jo Janscheck Middle Fork @ Janscheck Withdrawal Site Doddridge Source Owner:

Total Volume (gal) Max. daily purchase (gal) Start Date **End Date** 9/15/2013

Intake Latitude: Intake Longitude:

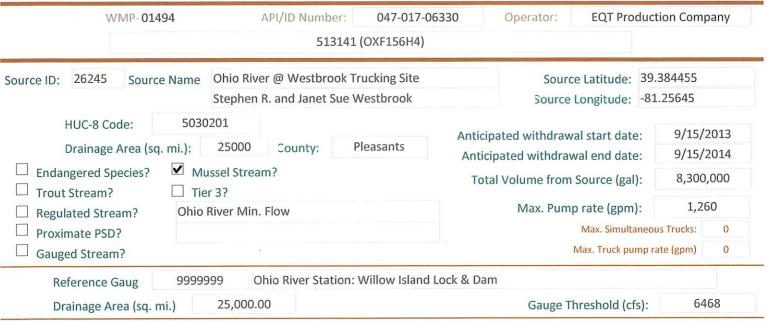
9/15/2014 8,300,000 39.151388 -80.812222

Regulated Stream? **JOUTH FORK HUGHES RIVER BELOW MACFARLAN, W**\ Ref. Gauge ID: 3155220

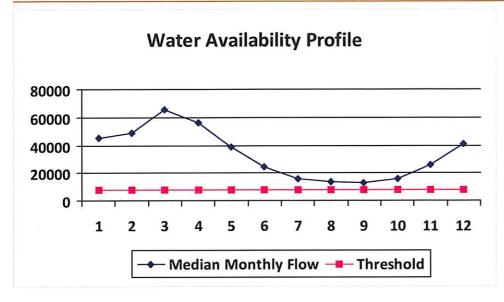
Max. Pump rate (gpm): Min. Gauge Reading (cfs): 35.81 Min. Passby (cfs) 0.86 840

DEP Comments:

Source Detail



Month	Median monthly flow (cfs)	Threshold (+ pump	Estimated Available water (cfs)
1	45,700.00	-	-
2	49,200.00	-	4
3	65,700.00	-	_
4	56,100.00	-	=
5	38,700.00	-	=
6	24,300.00	H:	Ψ.
7	16,000.00	-	-
8	13,400.00	-	_
9	12,800.00	-	#
10	15,500.00		=
11	26,300.00	-	-
12	41,300.00	-	-

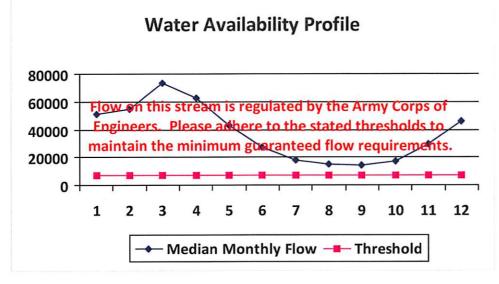


Water Availability Assessment	of Location
Base Threshold (cfs):	-
Upstream Demand (cfs):	0.00
Downstream Demand (cfs):	0.00
Pump rate (cfs):	2.81
Headwater Safety (cfs):	0.00
Ungauged Stream Safety (cfs):	1,617.00
Min. Gauge Reading (cfs): Passby at Location (cfs):	-

[&]quot;Threshold", as depicted in the chart above is meant only to indicate the calculated base threshold at the proposed withdrawal location. This value does not include the proposed pump rate or existing demand on the stream. Refer to the monthly breakdown above for a more complete estimation of water availability by month.



Month	Median monthly flow (cfs)	Threshold (+ pump	Estimated Available water (cfs)
1	50,956.00	-	-
2	54,858.00	-	-
3	73,256.00	-	-
4	62,552.00	-	-
5	43,151.00	-	-
6	27,095.00	-	-
7	17,840.00		-
8	14,941.00	-	
9	14,272.00	-	-
10	17,283.00	-	-
11	29,325.00	-	-
12	46,050.00	-	-



Water Availability Assessment of Location

Upstream Demand (cfs):	0.00
Downstream Demand (cfs):	0.00
Pump rate (cfs):	3.34
Headwater Safety (cfs):	0.00
Ungauged Stream Safety (cfs):	0.00

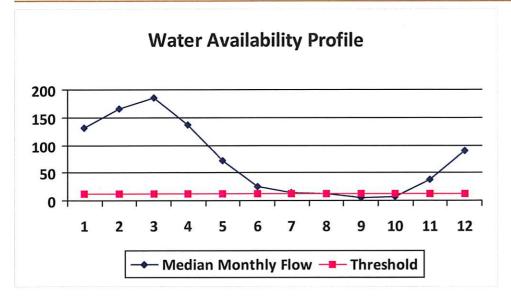
[&]quot;Threshold", as depicted in the chart above is meant only to indicate the calculated base threshold at the proposed withdrawal location. This value does not include the proposed pump rate or existing demand on the stream. Refer to the monthly breakdown above for a more complete estimation of water availability by month.

Source Detail



WMP-01494	API/ID Number:	047-017-06330	Operator:	EQT Produ	ıction Com	oany
	51314	1 (OXF156H4)				
Source ID: 26247 Source Name	Middle Island Creek @ Tr	avis Truck Pad	Sourc	e Latitude: 3	9.308545	
	Michael J. Travis		Source	Longitude: -	80.781102	
HUC-8 Code: 5030201		Antie	Anticipated withdrawal start date: 9/15		9/15/	2013
Drainage Area (sq. mi.): 122.83 County: Doddridge			Anticipated withdrawal end date: 9/		9/15/	2014
✓ Endangered Species?✓ Mussel Stream?☐ Trout Stream?☐ Regulated Stream?		To	Total Volume from Source (gal): Max. Pump rate (gpm):		8,300	,000
					4,200	
✓ Proximate PSD? West	Union Municipal Water			Max. Simultane	eous Trucks:	10
✓ Gauged Stream?			I	Max. Truck pump	rate (gpm)	420
Reference Gaug 3114	500 MIDDLE ISLAND C	REEK AT LITTLE, WV				
Drainage Area (sq. mi.)	458.00		Gauge Th	nreshold (cfs):	. 4	.5

Month	Median monthly flow (cfs)	Threshold (+ pump	Estimated Available water (cfs)
1	131.72	30.99	101.10
2	165.69	30.99	135.07
3	185.40	30.99	154.78
4	137.68	30.99	107.05
5	72.63	30.99	42.00
6	25.36	30.99	-5.26
7	14.35	30.99	-16.27
8	11.82	30.99	-18.81
9	6.05	30.99	-24.57
10	7.60	30.99	-23.02
11	37.14	30.99	6.51
12	90.73	30.99	60.11



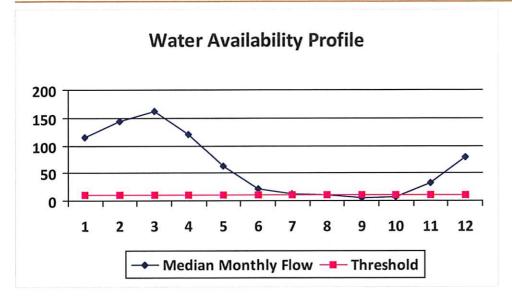
Min. Gauge Reading (cfs): Passby at Location (cfs):	72.16 28.33
Bain Cours Donding (st.)	72.46
Ungauged Stream Safety (cfs)	0.00
Headwater Safety (cfs):	3.02
Pump rate (cfs):	9.36
Downstream Demand (cfs):	13.24
Upstream Demand (cfs):	6.55
Base Threshold (cfs):	12.07

[&]quot;Threshold", as depicted in the chart above is meant only to indicate the calculated base threshold at the proposed withdrawal location. This value does not include the proposed pump rate or existing demand on the stream. Refer to the monthly breakdown above for a more complete estimation of water availability by month.





<u>Month</u>	Median monthly flow (cfs)	Threshold (+ pump	Estimated Available water (cfs)
1	115.12	19.74	95.58
2	144.81	19.74	125.27
3	162.04	19.74	142.50
4	120.33	19.74	100.79
5	63.47	19.74	43.93
6	22.17	19.74	2.63
7	12.54	19.74	-7.00
8	10.33	19.74	-9.21
9	5.29	19.74	-14.25
10	6.65	19.74	-12.89
11	32.46	19.74	12.91
12	79.30	19.74	59.76



Min. Gauge Reading (cfs): Passby at Location (cfs):	62.80 26.42
Ungauged Stream Safety (cfs):	0.00
Headwater Safety (cfs):	2.64
Pump rate (cfs):	3.74
Downstream Demand (cfs):	13.24
Upstream Demand (cfs):	2.81
Base Threshold (cfs):	10.55

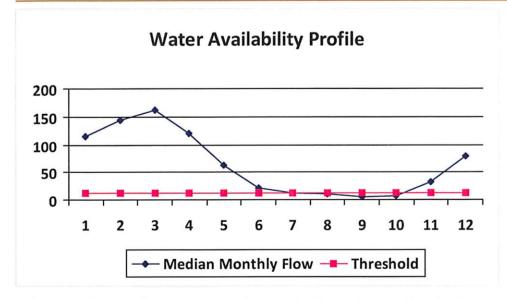
[&]quot;Threshold", as depicted in the chart above is meant only to indicate the calculated base threshold at the proposed withdrawal location. This value does not include the proposed pump rate or existing demand on the stream. Refer to the monthly breakdown above for a more complete estimation of water availability by month.

Source Detail



WMP-01494 API/ID Number: 047-017-06330 Operator: **EQT Production Company** 513141 (OXF156H4) Middle Island Creek @ Barnes Withdrawal Site Source Latitude: 39.29958 Source ID: 26249 Source Name Ellen L. Barnes Source Longitude: -80.75694 5030201 HUC-8 Code: Anticipated withdrawal start date: 9/15/2013 107.08 Doddridge Drainage Area (sq. mi.): County: 9/15/2014 Anticipated withdrawal end date: **Endangered Species?** ✓ Mussel Stream? 8,300,000 Total Volume from Source (gal): Trout Stream? ☐ Tier 3? Max. Pump rate (gpm): 1,260 Regulated Stream? Max. Simultaneous Trucks: Proximate PSD? West Union 0 Max. Truck pump rate (gpm) Gauged Stream? 3114500 MIDDLE ISLAND CREEK AT LITTLE, WV Reference Gaug 45 458.00 Gauge Threshold (cfs): Drainage Area (sq. mi.)

Month	Median monthly flow (cfs)	Threshold (+ pump	Estimated Available water (cfs)
1	114.83	18.59	96.42
2	144.45	18.59	126.03
3	161.63	18.59	143.21
4	120.02	18.59	101.61
5	63.31	18.59	44.90
6	22.11	18.59	3.69
7	12.51	18.59	-5.91
8	10.30	18.59	-8.12
9	5.28	18.59	-13.14
10	6.63	18.59	-11.79
11	32.37	18.59	13.96
12	79.10	18.59	60.68

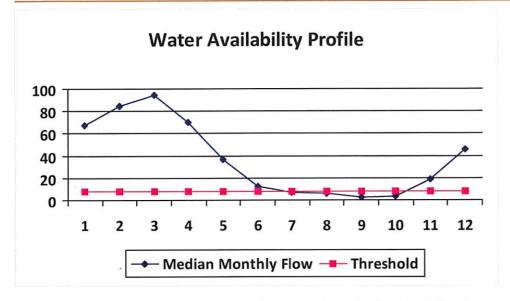


Water Availability Assessment of	Location
Base Threshold (cfs):	10.52
Upstream Demand (cfs):	0.00
Downstream Demand (cfs):	13.24
Pump rate (cfs):	2.81
Headwater Safety (cfs):	2.63
Ungauged Stream Safety (cfs):	2.63
Min. Gauge Reading (cfs):	70.31
Passby at Location (cfs):	29.02

[&]quot;Threshold", as depicted in the chart above is meant only to indicate the calculated base threshold at the proposed withdrawal location. This value does not include the proposed pump rate or existing demand on the stream. Refer to the monthly breakdown above for a more complete estimation of water availability by month.

API/ID Number: 047-017-06330 Operator: **EQT Production Company** WMP-01494 513141 (OXF156H4) Meathouse Fork @ Spiker Withdrawal Site Source Latitude: 39.2591 26250 Source ID: Source Name John & Sue Spiker Source Longitude: -80.72489 5030201 HUC-8 Code: 9/15/2013 Anticipated withdrawal start date: 62.75 Doddridge Drainage Area (sq. mi.): County: 9/15/2014 Anticipated withdrawal end date: **Endangered Species?** ✓ Mussel Stream? 8,300,000 Total Volume from Source (gal): Trout Stream? ☐ Tier 3? Max. Pump rate (gpm): 1,260 Regulated Stream? Max. Simultaneous Trucks: Proximate PSD? Max. Truck pump rate (gpm) 0 Gauged Stream? MIDDLE ISLAND CREEK AT LITTLE, WV 3114500 Reference Gaug 458.00 45 Gauge Threshold (cfs): Drainage Area (sq. mi.)

Month	Median monthly flow (cfs)	Threshold (+ pump	Estimated Available water (cfs)
1	67.29	16.52	51.09
2	84.65	16.52	68.45
3	94.72	16.52	78.52
4	70.34	16.52	54.14
5	37.10	16.52	20.90
6	12.96	16.52	-3.24
7	7.33	16.52	-8.87
8	6.04	16.52	-10.16
9	3.09	16.52	-13.11
10	3.88	16.52	-12.32
11	18.97	16.52	2.77
12	46.35	16.52	30.15



Water Availability Assessment of	f Location
Base Threshold (cfs):	6.17
Upstream Demand (cfs):	4.46
Downstream Demand (cfs):	0.00
Pump rate (cfs):	2.81
Headwater Safety (cfs):	1.54
Ungauged Stream Safety (cfs):	1.54
Min. Gauge Reading (cfs):	74.77
Passby at Location (cfs):	9.25

"Threshold", as depicted in the chart above is meant only to indicate the calculated base threshold at the proposed withdrawal location. This value does not include the proposed pump rate or existing demand on the stream. Refer to the monthly breakdown above for a more complete estimation of water availability by month.



WMP-01494 API/ID Number: 047-017-06330 Operator: **EQT Production Company** 513141 (OXF156H4) Source Latitude: 39.189998 South Fork of Hughes River @ Upper Wizard Run 26251 Source ID: Source Name I.L. Morris Source Longitude: -80.79511 5030203 HUC-8 Code: 9/15/2013 Anticipated withdrawal start date: Doddridge 5.33 County: Drainage Area (sq. mi.): 9/15/2014 Anticipated withdrawal end date: **Endangered Species?** ✓ Mussel Stream? 8,300,000 Total Volume from Source (gal): Trout Stream? ☐ Tier 3? 1,260 Max. Pump rate (gpm): Regulated Stream? Max. Simultaneous Trucks: Proximate PSD? Max. Truck pump rate (gpm) 0 Gauged Stream? 3155220 SOUTH FORK HUGHES RIVER BELOW MACFARLAN, WV Reference Gaug 229.00 22 Gauge Threshold (cfs): Drainage Area (sq. mi.)

Month	Median monthly flow (cfs)	Threshold (+ pump	Estimated Available water (cfs)
1	14.97	6.26	8.79
2	19.52	6.26	13.33
3	21.37	6.26	15.19
4	12.08	6.26	5.90
5	8.48	6.26	2.29
6	4.56	6.26	-1.63
7	2.26	6.26	-3.93
8	1.31	6.26	-4.88
9	1.57	6.26	-4.62
10	1.70	6.26	-4.48
11	5.09	6.26	-1.09
12	10.51	6.26	4.32

Water Availability Profile 25 20 15 10 5 1 2 3 6 8 9 10 11 12 Median Monthly Flow — Threshold

Min. Gauge Reading (cfs):	33.12
Ungauged Stream Safety (cfs):	0.00
Headwater Safety (cfs):	0.13
Pump rate (cfs):	2.81
Downstream Demand (cfs):	0.00
Upstream Demand (cfs):	2.81
Base Threshold (cfs):	0.51

Passby at Location (cfs):

Water Availability Assessment of Location

0.64

[&]quot;Threshold", as depicted in the chart above is meant only to indicate the calculated base threshold at the proposed withdrawal location. This value does not include the proposed pump rate or existing demand on the stream. Refer to the monthly breakdown above for a more complete estimation of water availability by month.

047-017-06330 API/ID Number: Operator: **EQT Production Company** WMP-01494 513141 (OXF156H4) South Fork of Hughes River @ Harmony Road Source ID: 26252 Source Name Source Latitude: 39.1962 I.L. Morris Source Longitude: -80.81442 5030203 HUC-8 Code: 9/15/2013 Anticipated withdrawal start date: Doddridge Drainage Area (sq. mi.): 8.1 County: 9/15/2014 Anticipated withdrawal end date: **Endangered Species?** ✓ Mussel Stream? Total Volume from Source (gal): 8,300,000 Trout Stream? Tier 3? 1,260 Max. Pump rate (gpm): Regulated Stream? Max. Simultaneous Trucks: Proximate PSD? Max. Truck pump rate (gpm) Gauged Stream? 3155220 SOUTH FORK HUGHES RIVER BELOW MACFARLAN, WV Reference Gaug 229.00 Gauge Threshold (cfs): 22 Drainage Area (sq. mi.)

Month	Median monthly flow (cfs)	Threshold (+ pump	Estimated Available water (cfs)
1	22.75	6.59	16.28
2	29.66	6.59	23.19
3	32.48	6.59	26.01
4	18.36	6.59	11.89
5	12.88	6.59	6.41
6	6.92	6.59	0.45
7	3.43	6.59	-3.04
8	1.98	6.59	-4.49
9	2.38	6.59	-4.09
10	2.59	6.59	-3.88
11	7.74	6.59	1.27
12	15.97	6.59	9.50

Water Availability Profile 40 30 20 10 0 1 2 3 8 9 10 11 12 4 5 6 7 Median Monthly Flow — Threshold

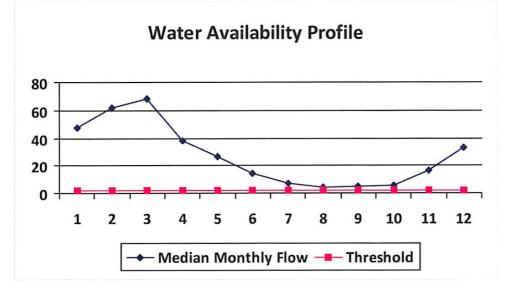
Water Availability Assessment of Location

Pump rate (cfs): Headwater Safety (cfs):	0.19
Ungauged Stream Safety (cfs):	0.00

"Threshold", as depicted in the chart above is meant only to indicate the calculated base threshold at the proposed withdrawal location. This value does not include the proposed pump rate or existing demand on the stream. Refer to the monthly breakdown above for a more complete estimation of water availability by month.

WMP-01494	API/ID Number:	047-017-06330	Operator: EQT Prod	duction Company
	51314	1 (OXF156H4)		
Source ID: 26253 Source Name	Straight Fork @ Maxson \	Withdrawal Site	Source Latitude:	39.144317
	Douglas L. Maxson		Source Longitude:	-80.848587
Drainage Area (sq. mi.): ✓ Endangered Species? ✓ M ☐ Trout Stream? ☐ Ti	16.99 County: lussel Stream? er 3?	Ritchie An	icipated withdrawal start date ticipated withdrawal end date otal Volume from Source (gal) Max. Pump rate (gpm)	9/15/2014 : 8,300,000
☐ Regulated Stream? ☐ Proximate PSD? ☐ Gauged Stream?				neous Trucks: 4
Reference Gaug 3155	SOUTH FORK HUG	GHES RIVER BELOW MA	CFARLAN, WV	
Drainage Area (sq. mi.)	229.00		Gauge Threshold (cfs	s): 22

<u>Month</u>	Median monthly flow (cfs)	Threshold (+ pump	Estimated Available water (cfs)
1	47.72	6.19	41.62
2	62.22	6.19	56.12
3	68.13	6.19	62.04
4	38.52	6.19	32.42
5	27.03	6.19	20.93
6	14.52	6.19	8.42
7	7.20	6.19	1.10
8	4.16	6.19	-1.94
9	5.00	6.19	-1.10
10	5.43	6.19	-0.67
11	16.23	6.19	10.13
12	33.50	6.19	27.40



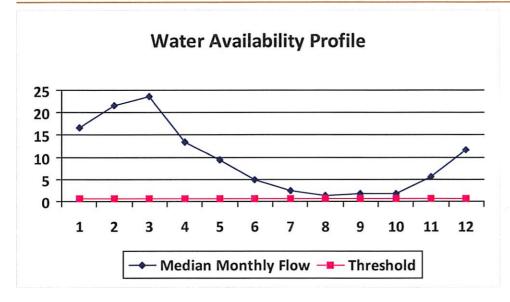
0.41
0.41
3.74
0.00
0.00
1.63

[&]quot;Threshold", as depicted in the chart above is meant only to indicate the calculated base threshold at the proposed withdrawal location. This value does not include the proposed pump rate or existing demand on the stream. Refer to the monthly breakdown above for a more complete estimation of water availability by month.



WMP-01494	API/ID Numbe	r: 047-017-063	Operator:	EQT Produ	iction Company
	513	141 (OXF156H4)			
Source ID: 26254 Source Name		ck Withdrawal Site	Sourc	9.151388	
	Mary Jo Janscheck	Source	Longitude: -	80.812222	
HUC-8 Code: 503 Drainage Area (sq. mi.):	0203 5.92 County:	Doddridge	Anticipated withdrawal start date: 9/15/ Anticipated withdrawal end date: 9/15/		
	lussel Stream? er 3?		Total Volume from		9/15/2014 8,300,000
☐ Regulated Stream?			Max. Pump	o rate (gpm):	840
☐ Proximate PSD?				Max. Simultane	eous Trucks:
☐ Gauged Stream?				Max. Truck pump	rate (gpm)
Reference Gaug 3155	SOUTH FORK H	UGHES RIVER BELOV	V MACFARLAN, WV		
Drainage Area (sq. mi.)	229.00		Gauge Tl	nreshold (cfs):	22

Month	Median monthly flow (cfs)	Threshold (+ pump	Estimated Available water (cfs)
1	16.63	2.72	14.03
2	21.68	2.72	19.08
3	23.74	2.72	21.14
4	13.42	2.72	10.83
5	9.42	2.72	6.82
6	5.06	2.72	2.46
7	2.51	2.72	-0.09
8	1.45	2.72	-1.15
9	1.74	2.72	-0.85
10	1.89	2.72	-0.70
11	5.66	2.72	3.06
12	11.67	2.72	9.08



Water Availability Assessment of	f Location
Base Threshold (cfs):	0.57
Upstream Demand (cfs):	0.00
Downstream Demand (cfs):	0.00
Pump rate (cfs):	1.87
Headwater Safety (cfs):	0.14
Ungauged Stream Safety (cfs):	0.14
Min. Gauge Reading (cfs):	34.87
Passby at Location (cfs):	0.85

[&]quot;Threshold", as depicted in the chart above is meant only to indicate the calculated base threshold at the proposed withdrawal location. This value does not include the proposed pump rate or existing demand on the stream. Refer to the monthly breakdown above for a more complete estimation of water availability by month.

west virginia department of environmental protection



Water Management Plan: Secondary Water Sources



WMP-01494 API/ID Number 047-017-06330 Operator: EQT Production Company 513141 (OXF156H4)

Important:

For each proposed secondary water source identified in your water management plan (i.e., groundwater well, lake/reservoir, recycled frac water, multi-site impoundment, out-of-state source), DEP makes no estimation of the availability of water. These sources may prove to be unsuitable water supplies. Please review the following notes:

- •For groundwater supply wells, DEP recommends that the operator contact the local health department prior to drilling any new well; and reminds the operator that all drinking water wells within 1,500 feet of a water supply well shall be flow- and quality-tested by the operator at the request of the drinking well owner prior to operation of the water supply well.
- •For each proposed multi-site impoundment water source identified in your water management plan (if applicable), DEP will review the withdrawal limits established in the referenced Water Management Plan for current suitability and provide to the operator these limits for each identified intake. Note that withdrawal limits may be modified as necessary based on changing demands upon that water supply.

Ground Water

Source ID: 26255 Source Na			Groundwater	Well TW#1		Source start dat	e: 9/15/2013
						Source end dat	e: 9/15/2014
		Source Lat:	39.56059	Source Long:	-80.56027	County	Wetzel
		Max. Daily Pu	rchase (gal)		Total Volu	ime from Source (gal):	8,300,000
	DEP Co	omments:					

WMP-01494 API/ID Number 047-017-06330 Operator: EQT Production Company

513141 (OXF156H4)

17-06330

Important:

For each proposed secondary water source identified in your water management plan (i.e., groundwater well, lake/reservoir, recycled frac water, multi-site impoundment, out-of-state source), DEP makes no estimation of the availability of water. These sources may prove to be unsuitable water supplies. Please review the following notes:

- •For groundwater supply wells, DEP recommends that the operator contact the local health department prior to drilling any new well; and reminds the operator that all drinking water wells within 1,500 feet of a water supply well shall be flow- and quality-tested by the operator at the request of the drinking well owner prior to operation of the water supply well.
- •For each proposed multi-site impoundment water source identified in your water management plan (if applicable), DEP will review the withdrawal limits established in the referenced Water Management Plan for current suitability and provide to the operator these limits for each identified intake. Note that withdrawal limits may be modified as necessary based on changing demands upon that water supply.

Lake/Reservior

Source ID:	urce ID: , 26256 Source Name Pennsboro Lake					Source start date:		9/15/2013
						Source end	date:	9/15/2014
		Source Lat:	39.281689	Source Long:	-80.925526	County	F	Ritchie
Max. Daily Purchase (gal)			Total Volu	ıme from Source (g	gal):	8,300,000		
	DEP Co	omments:						

WMP-01494

API/ID Number

047-017-06330

Operator:

EQT Production Company

513141 (OXF156H4)

Important:

For each proposed secondary water source identified in your water management plan (i.e., groundwater well, lake/reservoir, recycled frac water, multi-site impoundment, out-of-state source), DEP makes no estimation of the availability of water. These sources may prove to be unsuitable water supplies. Please review the following notes:

- •For groundwater supply wells, DEP recommends that the operator contact the local health department prior to drilling any new well; and reminds the operator that all drinking water wells within 1,500 feet of a water supply well shall be flow- and quality-tested by the operator at the request of the drinking well owner prior to operation of the water supply well.
- •For each proposed multi-site impoundment water source identified in your water management plan (if applicable), DEP will review the withdrawal limits established in the referenced Water Management Plan for current suitability and provide to the operator these limits for each identified intake. Note that withdrawal limits may be modified as necessary based on changing demands upon that water supply.

Multi-site impoundment

Source ID:	26257	Source Name	Davies Centrali	Source start date:		9/15/2013		
						Source end	date:	9/15/2014
	Source Lat: 39.269635				-80.77711	County	Do	ddridge
Max. Daily Purchase (gal)				Total Volu	me from Source (gal):	8,300,000	
	DEP Co	omments:						

The intake identified above has been defined in a previous water management plan. The thresholds established in that plan govern this water management plan unless otherwise noted.

Reference: WMP-1083

OXF149 Tank Pad A Source ID: 27403 Source Name Source start date: 9/15/2013 9/15/2014 Source end date: Doddridge 39.221932 Source Long: -80.799873 County Source Lat: 8,300,000 Max. Daily Purchase (gal) Total Volume from Source (gal): **DEP Comments:**

The intake identified above has been defined in a previous water management plan. The thresholds established in that plan govern this water management plan unless otherwise noted.

Reference: WMP-1532

WMP-01494

API/ID Number

047-017-06330

Operator:

EQT Production Company

513141 (OXF156H4)

Important:

For each proposed secondary water source identified in your water management plan (i.e., groundwater well, lake/reservoir, recycled frac water, multi-site impoundment, out-of-state source), DEP makes no estimation of the availability of water. These sources may prove to be unsuitable water supplies. Please review the following notes:

- •For groundwater supply wells, DEP recommends that the operator contact the local health department prior to drilling any new well; and reminds the operator that all drinking water wells within 1,500 feet of a water supply well shall be flow- and quality-tested by the operator at the request of the drinking well owner prior to operation of the water supply well.
- •For each proposed multi-site impoundment water source identified in your water management plan (if applicable), DEP will review the withdrawal limits established in the referenced Water Management Plan for current suitability and provide to the operator these limits for each identified intake. Note that withdrawal limits may be modified as necessary based on changing demands upon that water supply.

Source ID: 2740	4 Source Name	OXF149 Tank F	Source start date:		9/15/2003		
					Source end date:		9/15/2014
	Source Lat:	39.221733	Source Long:	-80.798991 .	County	County Do	
Max. Daily Purchase (gal)				Total Volume from Source (gal):			8,300,000
DEP	Comments:						

The intake identified above has been defined in a previous water management plan. The thresholds established in that plan govern this water management plan unless otherwise noted.

Reference: WMP-1533

Recycled Frac Water

Source ID: 26258	26258 Source	e Name Vario	Various		Source start date:	
				Source	e end date:	9/15/2014
	Sourc	e Lat:	Source Long:	County		
	Max. Daily Purchase (gal)			Total Volume from Sou	8,300,000	
	DEP Commen	its:				

